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PIONEER CANADIAN SEED GROWERS

» 1911 «

SEED CATALOGUE



ONTARIO SEED COMPANY, Successors, Waterloo, Ontario.

MANY flattering testimonials are certain proof that we satisfied all our numerous customers last year. We will do it again this year. Why not join our old friends and order from us, thus insuring your pleasure in gardening?

Conditions and Instructions to Buyers.

CASH WITH ORDER: As we do not ship anything C. O. D. to avoid delay and unnecessary expenses, you will kindly remit the amount with every order. The safest way to send money is by Postal Money Order, Express Order or Bank Draft. Money should only be sent by registered letter, postage 7c. Up to one dollar we will take 2c and 5c stamps in payment. All checks must be payable without discount in Waterloo, Ont.

NAMES AND ADDRESSES: Please sign every order plainly with your name and address, and fill out carefully the blanks in order to avoid mistakes.

GUARANTEE: We do everything within our power to satisfy our customers and take every precaution to send out only first class goods. We cannot give any warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants we send out, and we will not be responsible for the crop. If the purchaser does not accept the goods on these terms, they are to be returned immediately.

PREPAID POSTAGE: We ship all vegetable and flower seeds by mail prepaid at the prices of our catalogue, except where specially noted. Please add 5c per lb. for beans, corn, peas field root and farm seeds, etc., if those seeds are wanted by mail. When ordering large quantities please be sure to state whether you want the goods by Express or Freight. If these instructions are missing, we will use our own judgment, but will not be responsible for any extra costs.

WE GUARANTEE SAFE ARRIVAL of all packages. If seeds, plants, etc. are not received within a reasonable time, send exact copy of order, date sent, stating amount of remittance, kind of remittance (Draft or Money Order), and same will be investigated immediately.

OUR PRICES are without engagement and subject to change without notice. The prices for agricultural and field seeds are f. o. b. Waterloo and subject to market changes.

WE ACKNOWLEDGE RECEIPT of all orders over \$1.00 by postal card. If orders are not thus acknowledged please send us a copy with the exact date of mailing of the first order, also of the amount enclosed, and we will make immediate inquiries. All goods are carefully checked to avoid mistakes and delays.

ONTARIO SEED CO. SUCCESSORS

WATERLOO, ONT., CAN.

We call your attention particularly to the fact that under the new tariff, seeds in packages of not more than **ONE POUND** cost 25 per cent duty, therefore buy in Canada.

**We want everyone to try our seeds and therefore
offer this special 50c. Collection, worth \$1.00.**

1 pkt. Beans, Yellow Podded.
1 pkt. Beets, Early.
1 pkt. Cabbage, Early.
1 pkt. Cabbage, Late.
1 pkt. Carrots, half long Nantes.
1 pkt. Cauliflower, Snowball.
1 pkt. Cucumber, Early Short
Green.

1 pkt. Lettuce, Head, Early May.
1 pkt. Lettuce, Grand Rapids.
1 pkt. Onions, Yellow Danvers.
1 pkt. Radish, Round Red.
1 pkt. Radish, White Icicle.
1 pkt. Turnip, Table Variety.
5 pkt. Flower Seeds, our selection
including Aster.

POSITIVELY NO CHANGE IN THIS COLLECTION.

HOW TO GET A 50c. COLLECTION FREE

Send us \$1.50 for 3 Collections, which you can readily sell to your
neighbors and we will send you one free for your trouble.

ACT QUICKLY as we offer only a limited quantity of Collections
which may be withdrawn without notice.

THE ONTARIO SEED CO., Successors
WATERLOO, ONT.

NOTICE!

CHEQUES though perfectly good cost from 15c. up for collection. A small item for one but a large expense if applied to all remittances received throughout the year

WHEN REMITTING

Please Send if Possible

EXPRESS MONEY ORDERS

Which are payable at par everywhere and are also absolutely safe, because payment is guaranteed, and, if lost, stölen, or delayed in the mails the Express Company will promptly refund the money or issue a new order free of charge.

\$5 AND UNDER 3 CENTS				
OVER 5 TO 10	-	6	"	
" 10 " 30	-	10	"	
" 30 " 50	-	15	"	
OVER \$50 USE SAME RATES				

If Express Money Orders are not obtainable use draft, Post Office Order, or Registered Letter.

		Enclosed Amount.	Do Not Write in This Space.	
Date.....		Cash..... \$.....	M.O. No.....	\$.....
Name.....		Postal Note..... \$.....	Received Date.....	
Place.....		Express Order ..\$.....	Shipped Date.....	
Post Office.....	Prov.....	Bank Draft.....\$.....	No. of P.....	P.....C.....
Express Office		Stamps\$.....	Postage, \$.....	M.E.F.....
Station	Railway.....	Total..... \$.....	Back Order, O. K.	

All orders must be accompanied by the full amount for goods. Conditions see inside cover of price-list.

Please Write Plain and Legible.

[illegible]

Cheques must be payable at par in Waterloo, Ontario.

Please send us addresses of people buying seeds and also state whether we shall send them English or German Catalogue. We shall remember your kindness when filling your order.



If you are buyers of Clover, Timothy and Grass Seeds or corn and other Field Seeds please ask for samples and prices. You cannot procure better and cheaper seeds than what you can get from us. We deliver Field Seeds free to your station or express office.

THE ONTARIO SEED CO., LIMITED,

WATERLOO, ONTARIO.

ONTARIO SEED CO. SUCCESSORS,

Waterloo, - Ont.

Manager: - OTTO HEROLD.

1911

Catalogue

—OF—

CANADIAN GROWN SEEDS

—ALSO—

Price List of Best Imported Seeds, Etc.

Ontario Seed Co. Successors, Waterloo, Ont.

In presenting this catalogue we wish to intimate that we have taken over the business of the Ontario Seed Co., Limited. The work in selecting and improving Home Grown Seeds will not however, be retarded nor delayed by the change, because the continuity of the practical management is retained. The influx of new capital will enable us to serve our friends and customers in a better manner than before. The business is now out of the swaddling-clothes stage, and promises to grow more and more vigorous every year. We confidently ask for orders, not simply because we have Canadian Grown Seeds but because such seed is better value.

The following article explains our position very clearly.

THE TRUTH ABOUT THE CANADIAN SEED TRADE.

It may not be generally known but it is a fact that practically all the Field Roots, both Vegetable and Flower Seeds, are imported into Canada. The main sources of supply are Germany, France, Great Britain and the United States of America. In the process of seed-growing, specialization is common, and, if the Seedsmen in Canada want the best in certain lines, he must inevitably go to certain growers. Also, there are about a dozen great merchants and growers who have a reputation and deservedly so, for excellence of quality. Every Seedsman in America of any standing buys from these sources. The point is that where all buy from similar sources there cannot be such a difference in quality as to entitle "Jones" to advertise, in lurid type, that his seeds are infinitely superior to "Robinson's", whereas, in many cases they come from the same Merchant or Grower, and sometimes in the same car. The ordinary Canadian Seedsman buying from places, thousands of miles from the place of business, has no guarantee, except the word of the Grower, that his seeds are produced from plants true to type. In some cases, he may have special iron-clad contracts, but in most cases, the seeds come from the general stock, and, in most cases, are good, but they are all equally good, the same to everybody.

For the particular individual, i. e., one who really wants to know and if possible to prove it, we started a small seed farm in Waterloo, Ont., about three years ago, where we could grow plants true to type and save seeds therefrom. Anyone is at liberty to enter our Farm and see for him- or herself how we do business. In addition to this facility of control, not possible to other firms, over the quality of trueness to name, we entered on this venture under the influence of a theory. Our theory was that seeds produced from acclimatized plants would produce stronger and earlier plants than seed produced from foreign-grown plants. The theory has been distinctly vindicated in practice. The mere enunciation of such a theory carried conviction but the practical result makes assurance doubly sure. Races of immigrants who arrive here are sometimes small and meagre in appearance, the second and subsequent generations are much improved physically and otherwise. The analogy holds good with plants. We have carefully selected and rogued all the seeds grown by us and our predecessors for three years, gradually adding different varie-

ties to our stock, and, we now have, a fairly-full list of popular garden vegetable seeds. We were, ourselves, impressed and gratified beyond measure, at the results; increased yield; uniformity of growth, sturdiness and exceptionally-high vitality showed us and others that we are on the right lines.

We alone, amongst all the seedsmen in Canada, can with confidence exclaim, that we have something BETTER and DIFFERENT. Undernoted, we have given a list of our Home Grown Seeds separately. It can be readily understood, that we could not possibly grow every kind of seed, and, therefore, had to procure many varieties from the usual sources. We do not say, that our **imported** seeds are better and different than any other seedman's in Canada, for the reason given in the first part of this announcement. We say they are as good as any, no more, no less, because they come from the same sources.

On the other hand, we can say, our Home Grown seeds are better and different, because such is the case, and it can be proved. The descriptions are field descriptions from our own plants. You see, we had the privilege of seeing the product of our seeds, a privilege impossible to many a Seedsman in large cities, so you can rely on them, as they are true.

We hope to have a trial order. Give it to us early, for we have only a limited stock. If sold out of Home Grown seeds, we will fill order with imported seeds, but in every case when we do so, we will tell the customer, and if the customer wishes Home Grown seeds only, he should let us know, and we will candidly tell him if we are sold out and return money he may have sent.

Our organization is on a better basis than before, and orders will be promptly despatched. Some seeds may not have arrived when we get order; we will let you know and give probable time.

Wishing you success in your endeavours to better Horticulture in Canada, we are,

Yours for better crops,

ONTARIO SEED CO. SUCCESSORS,

Waterloo, Ont.

CANADIAN GROWN SEEDS

BEANS—Wax or Butter Podded.

Add 5c. per lb. if wanted by mail.



Hodson Wax

Hodson Wax.—Of comparatively recent introduction this variety has made good, strong, vigorous habit of 15 inches high, with tough, healthy foliage. Wax pod nearly 6 inches long, straight, thick, flat and meaty; excellent quality. Medium early. Price, pkt. 5c.; lb. 20c.; 5 lbs. 85c.

Davis' White Wax.—Introduced in 1897 and has a large sale. The pod is large and showy. The plants grow upright and hold the pods well up from the ground. Height 14 inches. Very productive. Pods waxy white colour, 5 to 5½ inches long, flat and wide. Seeds white and Kidney shaped. Price pkt. 5c.; lb. 20c.; 5 lbs. 85c.

Flageolet or Giant Wax.—This bean has a vigorous, upright habit of growth. It grows 14 inches tall, with tough, leathery foliage. Waxpods are 5 to 8 inches long, flat and straight, very tender when full grown. Price pkt. 5c.; lb. 20c.; 5 lbs. 85c.

Wardwell's Kidney Wax.—This bean was somewhat difficult to grow until the advent of Canadian Grown Seeds. The quality of the pods, with its upright growth, combined to make this one of the most popular beans on the market. Pods are 5 to 6 inches, broad, flat and of a beautiful waxy colour. Have fine buttery flavour. Price, pkt. 5c.; lb. 20c.; 5 lbs. 85c.

BEANS.—Green Podded Varieties.

Red Valentine.—Has very round, meaty, stringless pods, nearly straight. Healthy habit, strong growing, with pods 5 to 6 inches long. One of the very best of its class, which was the reason we grew it.

Price, pkt. 5c.; lb. 20c.; 5 lbs. 85c.

Refugee or 1000 to 1.—Splendid late variety, very much used for pickling or canning. Habit, spreading, bearing in great abundance long cylindrical, whitish green pods. Price, pkt. 5c.; lb. 20c.; 5 lbs. 85c.



Beet Eclipse

Beet Eclipse.—A good standard variety. More globular in shape than Egyptian, but notable for great regularity. Color not so deep, and is a well-known table variety, much grown by market gardeners. Price, pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 35c.; lb. \$1.00.

Beans. Egyptian Dark Red.—Perhaps more seed is sown of this variety than of any other two varieties combined, and it is deservedly so. The bulb is flat, of medium size, and the colour is a peculiar deep, rich, blood red. Our stock is limited of this variety, and customers should order at once. Price, pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 35c.; lb. \$1.00.

Cabbage Danish Ballhead.—The heads are round, of good marketable size, hard and heavy, fine-grained and a long keeper. It stands well and is a very well-known and highly esteemed medium late variety. Price, pkt. 5c.; oz. 30c.; $\frac{1}{4}$ lb. \$1.00.

Cabbage. Extra Dark Red Dutch.—The heads are round in shape and of very deep dark red colour. We saved quite a quantity of seeds from selected heads stored during the winter. Price, pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb. 65c.

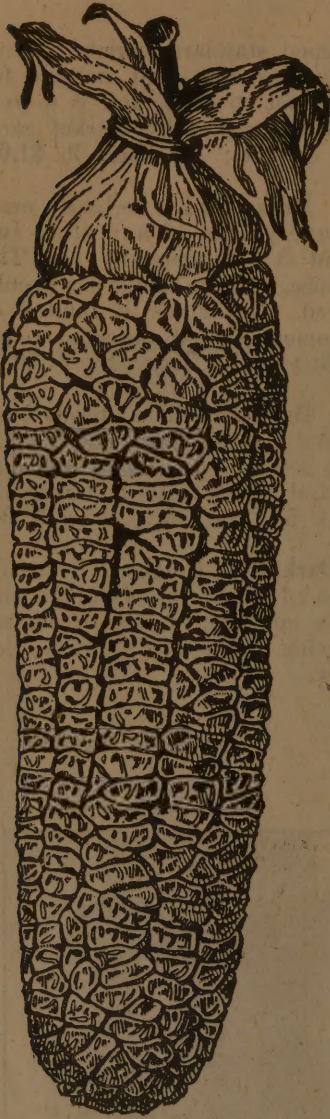
Carrot. Chantenay.—Tops, medium size; fine shape; deep, rich, scarlet color. The flesh is very crisp and tender. It is the most widely grown of all garden carrots on account of its quality and great productiveness, and is used very much by market gardeners. Price, pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb. 40c.

Carrot. Nantes.—This is another of our specialties. Has all the qualities of the Chantenay, differing only from that variety in shape, inasmuch as it is much more square. We grew this variety three years ago and have steadily improved our strain since. Price, pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb. 40c.

Carrot. Oxheart or Guerande.—The tops are small for the size of the roots, which are short, but often reach a diameter of 5 inches, terminating abruptly in a small top root. Flesh, fine-grained, and color bright orange. This variety is specially suited for hard soil. Price, pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb. 40c.



Carrot, Chantenay



Devitt's Early Corn

therefrom, and this year were gratified with some splendid fruits. Our stock however is very limited and we are compelled to offer as follows. Price, pkt. 10c.; oz. 25c.; $\frac{1}{4}$ lb. 80c.

Cucumber. Chicago Pickling.—Hardy, pickling cucumber, grown very much by largest market gardeners. Extra early. Slices well and has a delicious flavour. The shape is very symmetrical. Price, pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb. 60c.

Corn. Devitt's Early Sugar.—This corn was originated by Mr. Ben Devitt about 30 years ago and has been improved by continual selection. It is dwarf in growth, and very early. It is earlier than Golden Bantam and exceeds it in sweetness. The most marked advantage is that the cobs of Devitt's Earliest Sugar are white and slightly larger than those of the Golden Bantam, and therefore a boon to the market gardener who caters to a select trade. It is the Sweet Corn "Par Excellence" for the home garden; unsurpassed in sweetness, flavour and earliness. Price, pkt. 5c.; lb. 25c.; 10 lbs. \$2.00.

Corn. Crosby's Sweet.—A fine, old and popular variety which did well with us. One of the finest market cobs. Grain thick and sweet. Twelve and sometimes 14 rows on cob. Very highly recommended as an all round sort. Price, pkt. 5c.; lb. 15c.; 10 lbs. \$1.20.

Corn. Stowell's Evergreen.—It is almost unnecessary to say anything about this well-known variety. It is the main late variety for all purposes and remains longer in a green state than any other. The seed we offer is the product of special selection, but we regret that the quantity is limited. Price, pkt. 5c.; lb. 25c.; 10 lbs. \$2.00.

Corn. White Evergreen.—Similar to the foregoing except that it is earlier and whiter. A selection from Stowell's which will remain permanent. Price, pkt. 5c.; lb. 25c.; 10 lbs. \$2.00.

When ordering Corn by Mail add 5c. per lb.

Cucumber. Improved Long Green.—All that the name implies. The flesh is dark green, and is solid and crisp. It grows about 12 inches long. Price, pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb. 60c.

Cucumber. Extra Long Giant.—This is a new name, but it is simply an extra Long Green. Two years ago we observed in our fields a few particularly vigorous and long cucumbers; we saved seeds



Chicago Pickling Cucumber.



White Spine Cucumber

Cucumber. Improved White Spine.—An improved strain of this well-known variety. This cucumber has been under our care for 3 years, and amply repaid our efforts. Fruit straight and dark green with white spines. Early and has the additional merit of being a continuous cropper. Price, pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb. 60c.

Cucumber. Early Short Green.—A cucumber very similar to the Chicago Pickering, but is somewhat thicker in shape. Price, pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb. 60c.

Lettuce. Grand Rapids.—We had much satisfaction with this lettuce, and our customers are loud in their praises of our strain. It was 5 or 6 days earlier than other strains, when grown side by side. This is a very important point with growers for early market. We have the true type of this forcing variety. It grows upright and forms a loose head of leaves. Colour, green tinged with yellow, and of rather thin texture. This is THE great forcing lettuce. Price, pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb. 60c.

Lettuce. Hanson.—The popularity and general excellence of this variety impelled us to add it to our stock this year. It is a head lettuce, but is of a different type from our May King. The leaves are very crinkled. The crop was large and the seed was saved under the very best auspices. This lettuce is sold under many synonyms. Price, pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb. 60c.

Lettuce. May King.—This is a German lettuce, called "Mai Koenig" there. For the last three years we have experimented and improved this lettuce, and our efforts have been crowned with success. The leaves are smooth and tightly folded, making the plant practically all head. It has rich buttery flavour. It carries very well. Price, pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb. 60c.



Lettuce—May King

Musk Melon. Early Hackensack.—This is a popular green-fleshed variety with large, heavily-netted fruit. Excellent for shipping, as it carries well. It is also equally recommended for the small gar-

den, being a good table variety. We have grown it for three years now, and our own seed produced earlier fruits and more uniformly true to name than imported seeds. Price, pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb. 50c.

Musk Melon. Montreal Green Nutmeg.—A variety which originated in the Island of Montreal. It has done very well with us during the three years we have devoted attention to it. It is round and grows to an enormous size. Deep-ribbed, round and beautifully netted. It is distinguished for its delicious flavour. The flesh is very thick and melting. Altogether this is one of the finest muskmelons in cultivation. Price, pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb. 50c.

Parsnip. Hollow Crown.—Above all other vegetable seed, parsnip ought to be sown when fresh to ensure good crops. Our seed we offer was grown and saved in Waterloo County during the Fall of 1910. It is therefore apparent that a great advantage will accrue to the grower who grows parsnip guaranteed to be of the last summer's growth. This variety is the standard variety, and is really too well-known to require description. Price, pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb. 50c.



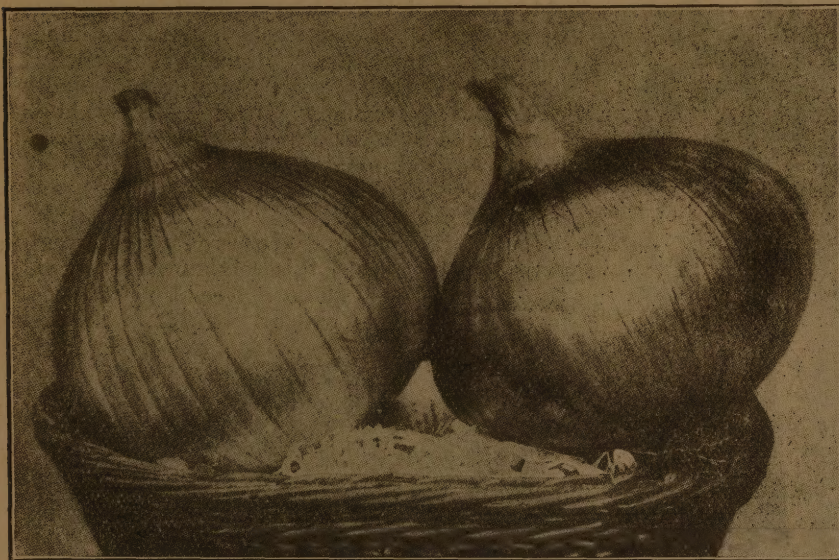
Onion—Red Wethersfield

Onion. Dark Red Wethersfield.—The most popular variety amongst Red Onions and an enormous yielder. In shape it is flat and is of a deep, rich color. The flesh is white and finely grained and of good flavour. Our stock is grown from choice specimens. The seed ripened well this year and gives every indication of producing large crops. This onion is a particularly good shipper. Price, pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb. 60c.

Onion. Southport Red Globe.—We found this onion did remarkably well with us and we hold a large stock of well-ripened Home Grown Seeds. It is of large size and splendid appearance. It is a deep, rich colour. Round onions give better results than flat as they occupy no more space in the row but weigh more and measure better. Price, pkt. c.; 5oz. 20c.; $\frac{1}{4}$ lb. 60c.



Onion—Southport Red Globe



Onion—Yellow Globe Danvers

onions of large size, free from thick necks, of uniform form and shape, splendid colour and, a very important point—earlier. This strain of this, the most generally used of all onions, shows clearly the point we are insisting upon throughout this catalogue, viz.: Superiority of Home Grown Seeds over foreign grown seeds. Price, pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb. 60c.

Radish. Non Plus Ultra.—Small round deep red. Our strain come very true to name. Price, pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 35c.; lb. \$1.00.

Radish. Rosy Gem.—We have a very excellent style of this well-known forcing radish. We had a very heavy crop, and the results already from this seed have been good. It is a round turnip radish and the white tip is very clearly defined. This is the leading forcing radish. Price, pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 35c.; \$1.00.

NOTE—We send all Seeds free when sold at package and ounce rates. Please add 5c. per lb. for postage when buying at pound rates.



Radish—Rosy Gem

Onion.
Yellow
Globe Dan-
vers.—Two
years ago
we produc-
ed Home
Grown
Dan v er's
Onion Seed
which was
eagerly
bought up
by mar-
ket gard-
eners. It
gave great
satisfac-
tion, as did
our last
year's crop.
This seed
pro du ces,



Radish—White Icicle

Radish. White Icicle.—We feel justifiably proud of this variety. Each year it gets better and better and we have more testimonials about this variety than all others. It improves year by year, being exceptionally early and exceedingly brittle. The strain is remarkable even in growth; this alone making it a good market sort. Include this in your order, even although only for trial purposes. Price, pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 35c., lb. \$1.

Rhubarb. Victoria.—We were fortunate in securing a large crop of this well-known, large and tender rhubarb. Is a good forcing variety of a bright pink colour. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 35c.



Spinach—Victoria

Spinach. Victoria.—An excellent sort which forms a very large, thick, dark, green leaf, somewhat curled in the centre. It nearly as early as any other variety, remains much longer than most kinds. Excellent alike for private and market gardener. Price pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 30c.



Tomato—Chalk's Early Jewel

Tomato. Chalk's Early Jewel.—This tomato is not the earliest, but it can be called the handsomest tomato on the market to-day. It is early but of a strong vigorous habit and does excellently well for a main crop variety, bearing fruit throughout the season. The uniformity and nice appearance of the fruit are indicative of the very fine flavour. We had much satisfaction in being so successful with this variety of tomato. Price, pkt. 10c.; oz. 35c.; $\frac{1}{4}$ lb. \$1.00.



Tomato—Earliana

solid and very meaty; a good market variety, making a good contrast to the other red varieties. Price pkt. 10c.; oz. 40c.; $\frac{1}{4}$ lb. \$1.00.

Tomato. Greater Baltimore.—One of the best main crop tomatoes yet introduced. It ripens early to the stem and is entirely free from ridges, cracks and blights. Very brilliant red colour. The handsomest tomato we have seen. Exceptionally good shipper. Price, pkt. 10c.; oz. 40c.; $\frac{1}{4}$ lb. \$1.00.

Tomato. Earliana.—

This is still the standard variety of early tomatoes. The habit of growth is dwarf and the plant carries from 5 to 8 tomatoes on slender stems in closely-set clusters. It is still the standard variety of early tomatoes for market gardeners. Our Canadian grown seed produces particularly strong plants of a splendid deep colour. Price, pkt. 10c.; oz. 40c.; $\frac{1}{4}$ lb. \$1.

Tomato. First of All.—

This is very much similar to the Earliana Tomato. In our field tests it was noticeable for its productiveness. Price, pkt. 10c.; oz. 40c. $\frac{1}{4}$ lb. \$1.00.

Tomato. Plentiful.—

This is the leading pink tomato and is in great demand for its great productiveness. It is extremely

AGRICULTURAL SEEDS OF OUR OWN RAISING.

Mangel. "Our Ideal."—Yellow, heavy cropper; easily harvested, excellent keeper of highest feeding value. Farmers who have tried this variety are enthusiastic about it. During Fall 1910 we saved some more of this splendid mangel but as usual we expect to be sold out of this Home Grown Seed very soon. The demand as a rule always exceeds the supply for this mangel.

On Feb. 10th and 11th, 1910, at the Sixth Annual Meeting of the Canadian Seed Growers' Association, a paper was read by E. S. Archibald, Esq., B. S. A., Truro, N. S., entitled "Operations in Experimental Plots in Nova Scotia." The following excerpt will be of interest to our friends and customers:—

"However important the raising of corn may be in some districts of our province, root-growing will always predominate. In the testing of the varieties of mangels and turnips, seed has been procured from various seedsmen in Canada and England. I would like to mention particularly in the mangel test, the fact that the Canadian Grown Seed variety, "Tankard Ideal," procured from the Ontario Seed Co., Waterloo, Ont., led all varieties, with a yield of 1020 bushels per acre."

Price, 1 lb. 35c.

Mangel. Mammoth Long Red.—This variety is excellent for feeding cattle. Produces enormous crops per acre. This is the second year we have grown this variety and we anticipate the resulting crop from this seed will surpass our previous efforts. The natural influence of the Canadian soil on seeds is particularly noticed in Mangels. Home Grown Seed increases the yield in a very satisfactory and remunerative manner. Price, 35c. a lb.; for 10 lbs. at 30c. a lb.

Beet. Half Giant Sugar Rose.—A sugar beet very much recommended for feeding cattle. Has nutritious qualities of the very highest value. Skin, bright red above ground. An immense cropper. Easily harvested, as the roots grow fully $\frac{3}{4}$ out of the ground. Price, 35c. a lb.; for 10 lbs. at 30 . a lb.

ASTER SEEDS OF OUR OWN RAISING.

Amongst Flower Seed we decided to devote our energies in experimental work on Asters. We had neither the space nor the time to try any more at present. We gave the Asters every chance and they repaid our efforts. We grew plants from our own seed, and Mr. Herold, our agricultural expert reports

"That the



Aster—Hohenzollern

Aster. Giant Branching Comet White.—Packet 10c. each.

The above is our complete list of Home Grown Seeds, and undernoted we give a list of the best **IMPORTED SEEDS**. They are from the best sources, mostly this year's seeds. Have all been tested and can be relied on. The varieties are the popular and widely known, therefore we have not added any elaborate description.

Imported Vegetable and Flower Seeds.

These seeds are procured from the best sources and will be found to conform not only with the letter of the law but with the spirit thereof.

NOTE:—We send all seeds free when sold at package and ounce rates. Please add 5c. per pound for postage when buying at pound rate.

seed produced exceptionally double flowers." The following varieties and colours were grown, viz.:

Aster.—
Hohenzollern.—Lavender Light.
Pink.
White.
Dark
Blue.

Aster
Queen of Market.—
White.
Crimson.
Rose.

Aster.
Truffaut's Peony-flowered.—
White.
Blue.
Dark
Crimson.

ASPARAGUS.

	pkt.	oz.	lb.
Columbian Mammoth	\$.05	\$.10	\$1.40
Conover's Colossal	.05	.10	.60
Palmetto	.05	.10	.75

ASPARAGUS ROOTS—2 year old.

Palmetto postpaid 25, for 40c. 100, \$1.00			
Colossal. " 25, 40c. 100, 1.30			

(Special prices for quantities on application)

BEANS.(Dwarf, Wax and Butter)

Please add 5c. per lb. if wanted by mail.

	pkt.	lb.	5 lb.
Golden Wax	.05	\$.20	\$.85
Wardwell's Kidney Wax			
Davis' White Wax			
Black Seeded Wax			
Detroit Wax			
Flageolet or Giant Wax			

BEANS. (Dwarf, Green Podded)

Early Mohawk	.05	.20	.85
Refugee or 1,000 to 1			
Stringless Green Pod			

BEANS. (Lima.)

Lima Broad	.05	.20	.85
Burpee's Bush Lima			

BEANS. (Pole or Running.)

	pkt.	lb.	5 lb.
Kentucky Wonder	.05	\$.20	\$.85
or Old Homestead			
Early Dutch Case			
Knife			
Scarlet Runners			

BEANS. (English.)

Broad Windsor	.05	.20	.85
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BEEETS.

	pkt.	oz.	$\frac{1}{4}$ lb.
Dark Red Flat Egyptian	.05	.10	.25
Eclipse Dark Red Turnip			
Edmand's Dark Red Turnip			
Crimson Globe			
Extra Long Deep Blood Red			
Half Long Deep Blood Red			
Swiss Chard			

BORECOLE OR KALE.

	pkt.	oz.	$\frac{1}{4}$ lb.
Curled Scotch	\$.05	.15	.40
Dwarf Curled Germ man			

BROCOLI.

Walcheren	.05	.45	1.30
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BRUSSELS SPROUTS.

Half High	.05	.15	.50
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CABBAGE—Early Varieties.

All Head	.05	.25	.70
Henderson's Early Summer	.05	.20	.50
Early Winningstadt			
Early Jersey Wakefield			

Second Early Varieties.

All Season	.05	.20	.60
Glory of Enkhuizen			
Henderson's Succession			

Late Varieties.

All Seasons	.05	.20	.60
Danish Ball Head			
Filder Kraut			
Surehead			
Large Brunswick (Flat)			
Large Magdeburg (Round)			

CABBAGE, RED.

Mammoth Red Rock	.05	\$.20	\$.60
Early Red Dutch or Berlin			
Red Drumhead or Late Dutch			

CABBAGE, SAVOY.

Large French Drumhead or Vertus	.05	.20	.60
Ironhead Early			
Late Erfurt Winter			

CARROTS.

Chantenay	.05	.10	.25
Nantes			
Danver's Half Long			
Oxheart, Guerande or Early Gem			
Long Red			

CAULIFLOWER.

	pkg.	$\frac{1}{2}$ oz.	1 oz.
June Cauliflower for forcing	.30	1.25	4.00
	pkg.	oz.	
Early Dwarf Erfurt	.25	2.50	
Early Snowball	.25	2.50	
Danish Giant or Dry Weather	.25	2.50	
Half Early Paris	.05	.90	
Italian or Veitch's Autumn Giant	.05	.60	

CELERY.

	pkt.	oz.
Paris Golden Yellow Dwarf or Self-Blanching (French Grown)	.10	.60
Early White Plume	.05	.25
Paris Rose Ribbed	.05	.30
Giant Pascal, White Solid	.05	.20

CELERIAC OR TURNIP ROOTED CELERY.

Prague, Giant	.05	.20
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CORN, SWEET. (Bushel 40 lbs.)

Please add 5c. per lb. if wanted by mail.	pkt.	1 lb.	5 lb.
Devitt's Earliest Sugar	.05	.20	.90
Golden Bantam	.05	.20	.90

Extra Early.

	pkt.	lb.	5 lb.
White Cory	.05	.15	.80
Crosby's Early Sugar	.05	.15	.80

Early Varieties.

Premo	\$.05	\$.15	\$.80
Early Minnesota			

Medium Early Varieties

Kendall's Early Giant	.05	.15	.80
Black Mexican			
Perry's Hybrid			

Late Varieties.

Country Gentleman	.05	.15	.80
Stowell's Evergreen			

CRESS.

Extra Curled	pkt.	oz.	$\frac{1}{4}$ lb.
French Curled	.05	.10	.20

CUCUMBER.

	pkt.	oz.	$\frac{1}{4}$ lb.
Chicago Pickling			
Cool and Crisp			
Cumberland			
Early Frame			
Early White Spine			
Early Short Green			
Early Short Cluster			
Early Russian or Gherkin	.05	.15	.50
Fordhook Pickling			
Giant Pera			
Improved Long Green			
Livingstone's Evergreen			

CUCUMBER—For Greenhouse Forcing.

	Pkt.
Rollison's Telegraph	.25
Noah's Forcing	

EGG PLANT.

	pkt.	oz.
New York Improved	.10	.60
Early Long Purple	.05	.40

ENDIVE.

	pkt.	oz.	$\frac{1}{4}$ lb.
Broad Leaved Batavian (Escarolle)	\$.05	\$.15	\$.50
Early Green Curled or Moss Curled	.05	.15	.60

GARLIC—See Page 17.**HORSE RADISH—See Page 17.****KOHL RABI.**

	pkt.	oz.	$\frac{1}{4}$ lb.
Early White Vienna	.05	.20	.60
Early Purple Vienna			

LEEK.

English or London Flag			
Large Musselburg or Carentan	.05	.15	

LETTUCE.

Black Seeded Simpson B.S.			
Big Boston W.S.			
Denver Market W.S.			
Curled Silesian W.S.			
White Seeded Simpson	.05	.15	.40
Hanson W.S.			
Nonpareil W.S.			
Grand Rapids B.S.			

LETTUCE—Continued,

	pkt.	oz.	$\frac{1}{4}$ lb.
May King W.S.			
Yellow Stubborn head, W.S.			
Yellow Solidhead, Brown S.	.05	.20	.50
Iceberg, W.S.			
Paris White Cos.			
Trianon Cos.			

MUSK MELON.

Early Hackensack .			
Paul Rose (Petoskey)			
Rocky Ford or Early Netted Gem ..	.05	.15	.40
Montreal Nutmeg ..			

MELON, WATER.

Coles Early	.05	.15	.40
Peerless	.05	.15	.40

CITRON.

For Preserving (Red Seed)	.05	.15	.40
Colorado Preserving (Green Seed)	.05	.15	.40

MUSTARD.

White	.05	.10	.15
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ONION.

Early Large Red Globe	.05	.20	.60
Large Red Wethersfield	.05	.20	.60
Giant Prizetaker ..	.05	.20	.60
Southport White Globe	.05	.30	.90
Mammoth Silver King	.05	.25	.80
Yellow Globe Danvers	.05	.20	.60
White Queen Pickling	.05	.20	.60
Paris Silverskin Pickling	.05	.20	.60
White Barletta Pickling	.05	.20	.60

ONION SETS.

Dutch Sets Yellow			
Dutch Sets White ..	pint	quart	
Shallots	.15	.25	
White Multipliers ..		postpaid	
English Potato Onions			
Top Onions			
Perennial Onion Sets (in Fall)	ask for bushel prices		

PARSNIP.

	pkt.	oz.	$\frac{1}{4}$ lb.
Hollow Crown or Student or Guernsey ...	.05	.10	.20

PARSLEY.

	pkt.	oz.	$\frac{1}{4}$ lb.
Champion Moss Curled	.05	.15	.35
Triple Curled	.05	.15	.35
Turnip Rooted	.05	.10	.25

POTATOES (Subject to market fluctuations.)

(Special Prices for large quantities.)

Extra Early Ohio	per lb. 20c. }	postpd.
Early Michigan	3 lbs., 50c. }	
Irish Cobbler ...	peck, 60c. }	at buyer's expense
Sensation	bag, \$2.50 }	

PEAS (Wrinkled Varieties Marked *)

Please add 5c. per lb. if wanted by mail.

Extra Early Varieties

	pkt.	lb.
Alaska Extra Early	\$.05	\$.25
* Duke of Albany	.05	.30
* Nott's Excelsior	.05	.25
* Gradus or Prosperity	.05	.30
* Thomas Laxton	.05	.30
* American Wonder	.05	.25

Second Early Main Crop Variety.

* Daisy or Dwarf Telephone	.05	.25
* Champion of England ...	.05	.25
Pride of the Market	.05	.25
* Stratagem Improved	.05	.25
* Tall Telephone	.05	.25
Black Eyed Marrowfat ..	.05	.10

Edible Pod Variety.

Dwarf Grey Sugar	.05	.25
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PEPPER.

Large Squash or Bull Nose		
Long Cayenne	pkt.	oz.
Red Chili	.05	.40
Ruby King or Giant		

PUMPKIN.

	Pkg.	oz.	$\frac{1}{4}$ lb.
Large Cheese	.05	.10	.30
Large Field		.05	.20
Small Sugar or Sweet	.05	.10	.30
Mammoth King or Jumbo	.05	.25	.75
Golden Melon	.10	.50	
(Biggest variety, fine for canning)			
Japanese Pie	.05	.15	.45

RADISH.

	pkt.	oz.	$\frac{1}{4}$ lb.
Round Varieties			
Non plus Ultra (forcing)	.05	.10	.30
Crimson Giant			
Early Scarlet Turnip			
White Tipped			
Early White Turnip			
Rosy Gem (White Tip) Forcing			
Scarlet Globe			

Olive Shaped Varieties

French Breakfast ..	.05	.10	.30
Scarlet Olive Shaped			
White Olive Shaped			

Long Varieties

White Icicle	.05	.10	.30
Chartier Long Scarlet White Tipped			

Winter Varieties

Round Black Spanish	.05	.10	.35
Long Black Spanish			
Munich Bierrettig ..			
California Mammoth White			
Scarlet China (China Rose)			
White Chinese (Celestial)			

RHUBARB.

Victoria	.05	.20	.60
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SALSIFY.

Mammoth Sandwich Island	.05	.20	.60
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SCORZONERA.

.....	.05	.20	.60
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SPINACH.

Bloomsdale or Savoy Leaved	.05	.10	.20
Giant Flanders, (Extra Large Leaved)			
Prickly or Fall			
Victoria			
Round or Summer ..			

SQUASH.

	pkt.	oz.	$\frac{1}{4}$ lb.
English Vegetable			
Marrow	.05	.20	.35
Summer Crookneck	.05	.15	.40
Essex Hybrid			
Boston Marrow			
Green Hubbard			
Golden Hubbard ..			

SWISS CHARD—(See Beets, Page 13.)**TOMATO.**

Earliana	.10	.60	1.50
First of All			
Plentiful			
Early Wealthy			
Greater Baltimore			
Matchless	.05	.30	1.00
Acme			
Atlantic Prize or Early Ruby			
Best of All			
The Stone			
Golden Queen			
Mikado			
Livingstone Perfection			
Tree Tomatoes	.10	.45	
Small Fruit Tomatoes Mixed			
Pear Shaped			
Yellow Cherry			
Strawberry or Husk			

TOBACCO.

Connecticut Seed Leaf	.05	.30
Havanna	.05	.60

TURNIP.

Extra Early Purple Top Milan	.05	.10	.25
Extra Early White Milan			
Snowball or Early Stone			
Golden Ball or Orange Jelly			
Six Weeks or Nimble Dick			
Laing's Swede			
Early Purple Top Strap Leaf			
White Dutch Strap Leaf			

HERBS.

	Pkt.	oz.
Marjoram, Sweet	\$.05	\$.20
Sage Broad Leaved	.05	.20
Summer Savory	.05	.20
Thyme	.05	.20
Dill	.05	.25
Caraway	.05	.15
Fennel	.05	.25
Horehound	.05	.35
Lavender	.05	.40
Rosemary	.05	
Wormwood	.05	
Mint	.10	

GARLIC SETS.

	$\frac{1}{4}$ lb.	lb.
.....Postpaid	.15	.30

HORSE RADISH ROOTS.

	each 4 roots doz.
.....Postpaid	.10 .20 .50

RHUBARB ROOTS.

	each doz.
.....By Express	.10 1.00

Flower Seeds.

	Pkt.
Abronia Umbellata	\$.05
Abutilon.	
Prize mixed	.10
Ageratum.	
Mexicanum Blue	.05
Mexicanum Album	.05
Acroclinium.	
Album	.05
Roseum	.05
Mixed	.05
Adonis.	
Flos or Aestivalis	.05
Alyssum.	
Sweet or Benthami	.05
Little Gem	.05
Amaranthus.	
Tricolor (Joseph's Coat)	.05
Cruentis (Princess Feather)	.05
Salicifolius (Fountain Plant)	.05
Caudatus (Love-lies-bleeding)	.05
Ampelopsis Veitchii.	
(Boston Ivy)	.10
Antirrhinum. Snapdragon.	
Tall—Mixed	.05
Tom Thumb Dwarf—Mixed	.05
Queen of the North—White	.05
Dwarf—White	.05
Aquilegia.	
Mixed Single	.05
Double Mixed	.05
Arctoctis.	
Grandis	Pkt. .10
Asperula.	
Odorata (Woodruff)	.10
Asparagus—Greenhouse grown.	
Plumosus Nanus	.25
Sprengeri	.10

ASTERS.

	Pkt.
Perfection Asters—	
In colors and mixed	.10
Chrysanthemum Flowered.	
In colors and mixed	.10
Comet, Giant.	
In colors and mixed	.19
Hohenzollern.	
In colors and mixed	.10
Queen of the Market.	
In colors and mixed	.10
Victoria.	
In colors and mixed	.10
Semple's Branching.	
In colors and mixed	.10
Betteridge's Quilted Aster.	
Mixed	.05
Bellis Perennis. (Daisy)	
Double White	.10
Double Rose	.10
Double Mixed	.05
Balsam.	
Camellia Flowered Mixed	.05
Double Fine Mixed	.05
Double Rose	.05
Pear	.05
Apple Blossom	.05
Dwarf Spotted	.05
Carnation Striped	.05
Bartonia.	
Aurea	.05
Begonia.	
Double Tuberous-rooted	.25
Single	.15
Brachycome Iberidifolia.	
Swan River Daisy, Mixed	.10

		Pkt,
Calceolara.		
James' Giant Strain	.25	
Dwarf Large Flowering	.25	
Calendula or Pot Marigold.		
Meteor Double Yellow	.05	
Mixed	.05	
Candytuft.		
Iberis, White Rocket	.05	
Empress, Pure White	.05	
Crimson	.05	
Sempervirens or Perennial	.10	
Chrysanthemum.		
Caronarium White	.05	
Annual Double Mixed	.10	
Canterbury Bells.		
Campanula Calycanthema (cup and saucer) mixed	\$.05	
Media, Single, Mixed	.05	
Media, Double, Mixed	.05	
Calleopsis.		
Drummondii, Golden Yellow	.05	
Mixed	.05	
Canna.		
Crosy'z Mixed	.10	
Croszy's Choice Mixed	.10	
Convolvulus.		
Major, Mixed "Morning Glory" ..	.05	
Minor Mixed	.05	
Carnation.		
Marguerite, White	.05	
Double Mixed, Extra Choice	.15	
Grenadin, Mixed	.05	
Celosia, Cristata Cockscomb.		
Glasgow Prize	.10	
Plumosa, Crimson	.10	
Spicata	.10	
Centaurea.		
Candidissima	.05	
Gymnocarpa	.05	
Cyanus Mixed	.05	
Cyanus, Double Blue, Emperor William	.05	
Imperialis, Mixed Colors	.05	
Cineraria Hybrida.		
Dward, large flowering, Mixed	.25	
Clarkia.		
Double Mixed	.05	
Cyclamen, Persicum Giganteum.		
Crimson King	.30	
Pure White	.30	
Rubrum Red	.30	
Atro Purpureum	.30	
Fine Mixture of above	.25	
Coreopsis.		
Lanceolata Grandiflora, Perennial ..	\$.05	
Cowslip.		
English Yellow	.05	
Cobaea Scandens.		
Blue	.05	
White	.05	
Coleus.		
Mixed	.25	
Cosmos.		
Early Mammoth, Mixed	.10	
Dwarf, Early, Mixed	.10	
Dianthus.		
Chinensis (Double Chinese Pink, Mixed)	.05	
Heddewigii, Mixed Single	.05	
Heddewigii, Double Mixed	.05	
Diadematus, Mixed	.05	
Salmon Queen	.05	
Plumarius, Hardy Perennial, Mixed ..	.05	
Dracaena.		
Australis	.10	
Indivisa	.10	
Veitchii	.10	
Datura.		
Mixed	.10	
Feverfew.		
(Pyrethrum Aureum)	.05	
Fuchsia.		
Double Mixed	.20	
Gaillardia.		
Lorenzianna, Double Mixed	.05	
Annuals Mixed	.05	
Perennial (Hybrida Grandiflora) Mixed	.10	
Gloxinia.		
Grandiflora Erecta, Mixed	.50	
Godetia.		
Mixed	.05	
Grevillea.		
Robusta	.10	
Gypsophila.		
Panniculata (Baby's Breath)	.05	
Helichrysum.		
Double Mixed	.05	
Hollyhock.		
Chaters, Double Mixed	.10	
Yellow	.10	
Rose	.10	
Crimson	.10	
White	.10	
Double Mixed	.10	
Single Mixed	.05	
Allegheny, Mixed, Very Fine	.10	
Hibiscus.		
Africanus	.05	
Crimson Eye	.10	

	Pkt.		Pkt.	oz.
Helianthus.		Myosotis.		
California fl. pl.	.05	(Forget-me-not) Palustris,		
Globulus Fistulosus	.05	Alba	.10	
Dwarf Double	.05	Alpestris, Victoria	.05	
Orion	.05	Alpestris, White	.10	
Cucumerifolius	.05	Cerulea	.10	
Mammoth Russian	.05	Nasturtiums. (Dwarf Varieties.)		
Heliotrope.		In leading, named varieties	.05	.15
Giant Hybrid Mixed	.10	Mixed	.05	.10
Giant Hybrid Light	.10	Tall or Climbing Sorts. In		
Giant Hybrid Dark	.10	leading named sorts,	.05	.15
Humulus.		Mixed $\frac{1}{4}$ lb., 30c.	.05	.10
Japonicus (Japanese Hop)	.10	Lobb's (Tropaeolum Lob-		
Japonicus Variegatus	.10	bianum.)		
Impatiens.		In leading named sorts	.05	.15
Sultani	.20	Mixed	.95	.15
Ipomea.		Nicotiana.		
Coccinea	.05	Sanderaea, New	.10	
Noctiflora (Moon Flower)	.05	Atropurpurea Grandiflora ..	.05	
Quamoclit Mixed	.05	Affinis	.05	
Lantana.		Collossea	.05	
Hybrida	.10	Pansy.		
Linaria.		Giant Show Mixture from		
Cymbalaria (Kennilworth Ivy) ..	.10	named Sorts. 1-8 oz., \$1.00 ..	.25	
Lobelia.		Cassier's Giant French Mixed ..	.15	
Crystal Palace, Compacta Extra		Bugnot's Giant French Mixed ..	.15	
Fine	.10	Giant King of the Blacks ..	.10	
White Gem	.10	" Golden Yellow, Stained ..	.10	
Erinus, Emperor William, Dark		" Emperor William	.10	
Blue	.10	" Lord Beaconsfield	.10	
Speciosa	.10	" White or Snow Queen ..	.10	
Gracilis, Light Blue, Trailing ..	.10	" Golden Yellow	.10	
Paxtoniana	.10	German Giant Fancy	.10	2.00
Marigold.	pkt.	Giant Trimardeau, Imp.		
African Dwarf, Double	.05	Strain	.10	
French Dwarf	.05	Large Flowering Mixed	.10	1 00
French Tall	.05	Perilla.		
Marvel of Peru.		Nankinensis	.05	
(Four O'clock)	.05	Petunia.		
Musa Ensete.		Inimitable Striped, Double		
(Banana)	.25	Mixed	.50	
Mimosa Pudica.		Extra Fine Mixed	.15	
(Sensitive Plant)	.05	Fine Mixed	.10	
Musk Plant.		Double Perfection, mixed ..	.50	
(Mimulus Moschatus)	.10	California Giant	.25	
Maurandia.		Phlox.		Pkt.
Mixed	.10	Decussata (Perennial)	.10	
Mesembryanthemum.		Drummond's Grandiflora, Mixed ..	.05	
Crystallinum	.05	Pure White	.10	
Mignonette.		Splendens, Stellata ..	.10	
Machet, True Strain	.10	Coccinea,	.10	
Machet, Golden	.10	Isabellina, Pale Yellow ..	.10	
Bismarck or Improved Ma-		Star of Quedlinburg, ..		
chet	.10	Mixed	.10	
Parson's White	.10	Fimbriata, Mixed	.10	
Sweet Grandiflora, $\frac{1}{4}$ lb., 35c.	.05			

	Pkt.		Pkt.
Poppy.		Smilax.	
Single	.05	Choice	.10
Shirley Mixed	.05	Sweet William.	
Annual Sorts Mixed	.05	Single Mixed	.05
Double Mixed	.10	Double Mixed	.05
Single and Double Sorts Mixed	.05	Stocks Dwarf.	
Perennial Iceland Mixed	.10	German Flowering 10 weeks	.10
Perennial Oriental Hybrid Mixed	.10	Deep Red	.10
Portulaca.		Pink	.10
Double Mixed	.10	Light Blue	.10
Single Mixed	.05	White	.10
Primula. China Primrose.		Extra Choice Mixed, Large Flower- ing	.10
Coccinea, Bright Crimson	.35	Choice Mixed	.10
White Fringed	.35	Sweet Peas.	
Red Fringed	.35		pkt. oz. $\frac{1}{4}$ lb.
Alba Magnifica, Pure White	.50	Finest Mixture	.05 .10 .25
Standard Mixed	.25	Choice Mixture	.05 .15
Mixed Fringed	.35	In leading named var's	.05 .10 .25
Fern Leaf Mixed	.50	Cupid Sweet Peas.	.05 .10 .25
Double Fringed Mixed	.50	Bush Sweet Peas.	
Primula.		Mixed	.05 .10 .25
Obconica, Double	.10	Thunbergia.	
Obconica, Grandiflora, Mixed	.10		Pkt.
Japonica Mixed	.10	Mixed	.05
Vulgaris, Yellow English Primrose	.10	Verbena.	
Pyrethrum.		Mammoth White	.10
Aureum (Golden Feather)	.10	Scarlet, Defiance	.10
Selaginoides (Fern Leaf)	.10	Coerulea, Purple	.10
Ricinus.		Pink	.10
Castor Oil Plant .. oz., 20c.	.05	Crimson	.10
Borboniensis	.05	Extra Choice, Mixed ..	.10
anguiueus	.05	Hybrida, Choice Mixed	.05
anzibarensis	.05	Wallflower.	
Mixed	.05	Double German	.10
Salpig ossis.		Single Annual	.05
Grandiflora, Mixed	\$.05	Single German	.05
Giant Emperor	.10	Zinnia.	
Salvia Splendens.		Mammoth Flowering, Mixed	.10
(Scarlet Sage)	.10	Double White	.05
Dwarf Burning Bush	.10	Pompon or Dwarf Double Mixed ..	.05
Silver Spot	.10	Zebra, Striped, Mixed	.05
Patens, Blue	.20		

Agricultural Seeds.

The Prices of Field Corn, Grasses and Clover fluctuate, Please ask for special prices on quantities.

Grains, grasses, fodder and ensilage corn, forage plants, etc.

We devote much attention to this important section of our business. The importance to the farmers and to the nation, of procuring good seeds is very great. We are in a better position this year than ever before to supply the very finest quality. We have made arrangements with one of the largest agricultural seed houses in Canada to supply us with the best. We advise all farmers to buy high grade seeds. Our seeds are rigorously tested for purity and are all No. 1 Government Standard. Since 1906 when the Seed Control Act came into operation, Canadian agricultural seeds are gener-

ally improved from the point of view of purity. A seed however may pass the Government test and yet be of low grade. We offer the very best grades, good plump seeds which will produce strong healthy plants.

This catalogue having been compiled before many prices for agricultural seeds were fixed, we have refrained from quoting in many cases. In such cases an inquiry will bring you a prompt reply, with samples, if desired, and at the lowest market prices.

We would advise farmers to buy clover and grain seeds from a seed house, as all seed firms are visited by inspectors who pay special attention to agricultural seeds.

Add 5c. per lb. for postage if wanted by mail.

MANGEL-WURZEL. (See Page 24.)

	$\frac{1}{4}$ lb.	lb.	4 lbs.
Our Ideal, Best Imported Seed	.10	.25	.90
Giant Yellow Intermediate	.10	.25	.90
Golden Tankard	.10	.25	.90
Red Globe	.10	.25	.90
Yellow Globe	.10	.25	.90
Long Yellow	.10	.25	.90
Mammoth Long Red	.10	.25	.90
Yellow Leviathan ...	.10	.25	.90

SUGAR BEETS FOR STOCK FEEDING.

Royal Giant or Half Sugar Rose	.15	.30	1.00
Canadian Giant Sugar Mangel	.20	.35	1.20

FIELD CARROTS.

Short White	.15	.45	1.80
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TURNIP. (For Fall and Early Winter Feeding)

	2 oz.	$\frac{1}{2}$ lb.	lb.	4 lb.
Purple Top Yellow				
Aberdeen ...	\$.10	\$.15	\$.25	\$.90
Cow Horn or				
Long White .	.10	.15	.25	.90
Greystone	.10	.15	.25	.90
Red Top Strap				
Leaf	.10	.15	.25	.90

SWEDES. (Purple Top Varieties.)

Hall's Westbury .	.10	.15	.25	.90
White Purple Top .	.10	.15	.25	.90
Elephant or				
Monarch ...	.10	.15	.25	.90
Magnum Bonum .	.10	.15	.25	.90

SWEDES. (Bronze and Green Top.)

Kangaroo	.10	.18	.25	.90
Selected Has-				
zard's Improved.	.10	.18	.25	.90

In addition, we will stock first grade Corn, Millet, Clovers and Grasses—A price list of these will be issued later.

SUNDRIES.

	doz.	100	1000
Fruit Baskets 11 qt. ...	\$.60	\$4.50	
Berry Boxes quart.		.40	3.50
Plant Boxes		.70	5.50
Label Pot, Wooden 4			
inch		.15	.80

	doz.	100	1000
Label Pot, Wooden 5			
inch		.20	1.00
Labels Tree 3 $\frac{1}{2}$ inch notched...		.25	.90
Nicotine Aphis Punk ... per 12 rolls		.75	
Raffia for tying . . . per lb. 30c., 10 lbs.,		.50	
Tobacco Stems		per 100 lbs.,	2.00

FERTILIZERS.

Prices F. O. B. Waterloo.

	bag	10 lb.	100 lbs.	167 lbs.
Vegetable and Potato,				
Universal Fertilizer \$	.50	\$2.50	\$4.00	
Containing:				
Nitrogen—Available—Potash				
Phosphoric				
Acid				
3 per cent. 8 per cent. 7 per cent.				

	bag	10 lbs.	100 lbs.	167 lbs.
Phosphoric Acid or Dis-				
solved Phosphate ..	.40	1.75	2.75	
Available Phosphoric Acid 14 per cent.				
Pure Bone Meal Flour	.40	1.90	3.00	
Nitrogen—Available				
Phosphoric				
Acid				
3 $\frac{1}{2}$ per cent. 22 per cent.				

FERTILIZERS—Continued

	19 lbs.	100 lbs.	167 lbs.
Pure Bone Meal, Pure			bag
Raw Bone	.45	2.10	3.25
Nitrogen—available			
Phosphoric			
Acid			
4 per cent.	23 per cent.		

(Fertilizer Literature free on application.)

	10 lbs.	25 lb.	100 lbs.
Nitrate of Soda, 15—			
16 per cent. Nitrogen \$	.65	\$1.25	\$4.00
Potash Muriate	.65	1.25	4.00
Potash Sulphate	.65	1.25	4.00
Landplaster per bag—100 lbs.	\$1.20.		
Plant Tonic—per tin, 25c.—For House			
Plants.			

Special Collections.

To introduce our seeds and to simplify the choice of seeds for our customers, we offer these collections at low rates as trial inducements. We cannot possibly allow any variations from the varieties mentioned.—Please, do not ask us.

A small garden would enhance the attractiveness of many farms. Changes of diet can be made more readily when a supply of succulent vegetables are obtainable. The work is light and is often a source of delight and interest.

FARM GARDEN COLLECTION.

Only \$1.00 Postpaid. Worth \$2.00.

$\frac{1}{4}$ lb. Beans, Wax
 $\frac{1}{4}$ lb. Beans, Green Podded
 $\frac{1}{4}$ lb. Corn, Early Sugar
 $\frac{1}{4}$ lb. Peas, Early Garden
 1 pkt. Beets, Early Round
 1 pkt. Cabbage, Early
 1 pkt. Cabbage, Late
 1 pkt. Carrot, Garden
 1 pkt. Celery, Paris Golden Yellow
 1 pkt. Cauliflower, Snowball
 1 pkt. Cucumber, Short Green
 1 pkt. Cucumber, White Spine
 1 pkt. Lettuce, Early Head
 1 pkt. Lettuce, Curled

1 pkt. Onion, Large Yellow
 1 pkt. Musk Melon, Early
 1 pkt. Parsnip, Half Long
 1 pkt. Parsley, Curled
 1 pkt. Pumpkin, Sweet or Sugar
 1 pkt. Radish, Round Red
 1 pkt. Radish, French Breakfast
 1 pkt. Radish, White Icicle
 1 pkt. Squash, Summer
 1 pkt. Tomato, Early
 1 pkt. Turnip, Table Variety
 5 pkts. Flower Seeds. Our selection including Aster
 $\frac{1}{2}$ lb. Mangel, "Our Ideal"

TRIAL COLLECTION.

Only 50c. Postpaid. Worth \$1.00.

1 pkt. Beans, Yellow Podded
 1 pkt. Beets, Early
 1 pkt. Cabbage, Early Winningstadt
 1 pkt. Cabbage, Ballhead
 1 pkt. Carrots, Half Long Nantes
 1 pkt. Cauliflower, Snowball
 1 pkt. Cucumber, Early Short Green
 1 pkt. Lettuce, Head, Early May

1 pkt. Lettuce, Grand Rapids
 1 pkt. Onion, Yellow Danvers
 1 pkt. Radish, Round Red
 1 pkt. Radish, White Icicle
 1 pkt. Turnip, Table Variety
 5 pkts. Flower Seeds. Our selection including Aster

To encourage gardening among the young, we offer a cheap collection as below. The packages are filled in the same liberal manner as for "grown-ups." Set aside a small portion of the garden for the children.

Apart from the great benefit to health, the art of gardening inculcates a love for nature and endears the home to the child.

CHILDREN'S COLLECTION.

Only 20c. Postpaid. Worth 50c.

This collection contains one package of each:

Carrots, Radish, Beets, Lettuce, Onion, Cucumber, Corn, Peas,

Beans, Turnip and 5 packages Flower Seed, including

Aster of finest quality.

Twenty-five cents worth of seeds extra will be allowed on each one dollar sent for seeds in packets and ounces. except collections and ounces of Cauliflower. By clubbing together with your neighbors, this liberal offer will prove of great value.

NOTE.—We send all seeds free when sold at package and ounce rates. Please send 5c. per pound for postage when buying at pound rates.

Lawn Seeds.

The beauty of a picture is thrown up and enhanced by a beautiful frame. Much more so is the neatness or architectural beauties of a house shown to the best advantage by a good lawn. Many people have neither the time, means or inclination to make flower beds, but a pleasing effect to the eye can be readily obtained by sowing down a good lawn. Some are deterred by the idea, an entirely erroneous one, one that lawns are difficult to establish and maintain. There is certainly a deal of bother in sodding a lawn and the result is often unsatisfactory. Seeding a lawn is much easier and produces better and more uniform results. The seed must be good or the result will be disappointing. We have made up well-balanced mixtures of clean grass seeds of high vitality which we know will produce good results. In making up of the lawn, two important things must be considered; the preparing of the soil and the draining of the ground. The beauty of a lawn consists in the evenness of its surface and the richness of its verdure. The latter can only be produced on well-drained soils. For most soil, drains, 30 inches deep, are ample, and the distance apart depends on the nature of the soil. Be sure that the depth of soil is uniform. The ground should be dug to an equal depth, applying a good dressing of manure. Then it should be rolled, then raked two or three times until the surface is levelled. Sow the seed thickly at the rate of 1 lb. to every 300 square feet, rake the seed in lightly and finally roll firmly. Do not mow the lawn too closely the first two or three times, especially in hot weather. Roll frequently, thus assuring a close, compact growth. In the early Spring, apply our special Lawn Fertilizer, for price of which see page 21. We handle three grades of Lawn Grass seed.

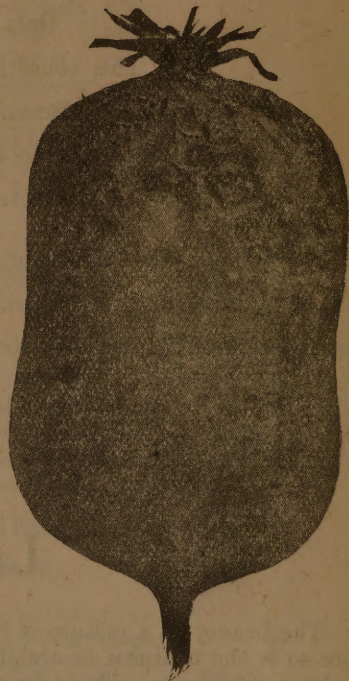
Victoria Mixture	35c. per lb.
Canadian Mixture	25c. per lb.
Shady Nook Mixture	35c. per lb.

The Victoria Mixture is composed of a greater variety of grasses than the Canadian Mixture, and will produce a better colored lawn. All mixtures have the proper proportion of White Dutch Clover.

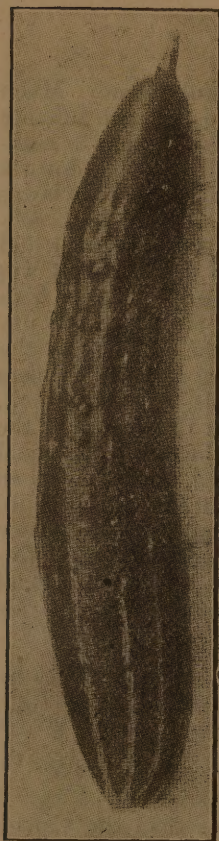
A Page of Our Home Grown Seeds.



Radish, Non Plus Ultra



Mangel, Our Ideal.



Cucumber,
Improved Long Green.



Cabbage, Danish Ballhead

Poor seed invariably causes loss and disappointment. The cheapest is NEVER the best. The BEST is always the CHEAPEST.

Cultural Directions for Growing Seeds

We have thought it advisable this year to embody these Cultural Directions compactly in a few pages instead of distributing them throughout the Catalogue. They are carefully compiled and are based on our own experience around this district (Western Ontario) but with modification suggested by different climatic and soil conditions they are applicable to almost anywhere. We hope that this little guide will prove useful to our friends and customers. We supply good seed and it is up to the grower to give them every chance. These notes will help anyone to do so. When in doubt about growing anything, ask us. We will promptly send you full advice.

ARTICHOKE.

Sow in April in rich soil and transplant the following spring to permanent beds (in rows or hills) three feet apart and two feet between the plants. Green Artichoke gives only a partial crop the first season, but the beds will be bearing for years. Protect in winter by a covering of leaves or coarse manure.

ASPARAGUS.

The seed should be sown in March or April, just as soon as the ground can be worked, in good, rich, mellow soil, in drills one foot apart then covered from $\frac{1}{2}$ to $\frac{3}{4}$ inch deep. The following spring the young plants should be set in their permanent places. The soil for them should be made as rich as possible, bearing in mind that the beds are to bear a good many years, and it is easier to work in a good supply of manure before the plants are set than after.

BEANS. BUSH.

To afford a regular succession of crops, plant every two weeks, from the middle of Spring to the end of Summer but not until the soil becomes warm, as they are very sensitive to both heat and cold. Plant in rows 18 inches apart, 2 inches deep; cultivate frequently, but only when dry, as the scattering of earth on the foliage or pods when moist, will cause them to become damaged with rust. This crop will flourish between the ridges of celery, rows of corn or cabbage, when they are first planted, as the Beans would be ready for the table before the other crops attain any size.

POLE BEANS AND POLE LIMA BEANS.

These are usually planted in hills and trained to poles, which should be 8 to 10 feet long, and firmly set in the ground from $3\frac{1}{2}$ to 4 feet apart each way. Draw around them a hill of earth and plant 4 to 5 Beans to each hill, 1 inch deep, always observing to plant the eye of the Bean down. The Lima Bean is very delicate, and often fails to sprout from slight causes; they should not be planted until the ground is warm. Do not allow more than three to climb a pole, but remove extra plants to hills where less than three have sprouted.

TABLE BEETS.

Sow as early in the Spring as the ground can be worked (5 to 6 lbs. to the acre), and every two weeks after for a succession, up to the first week of July. For general crop, sow about the middle of May. Soil should be light, sandy loam, well enriched with stable manure and plowed and harrowed until very fine. Sow in drills 1 foot to 15 inches apart, and when well up thin from 4 to 5 inches.

SWISS CHARD OR SEA KALE BEET.

Although little known in America, this vegetable is worthy of a place in every garden. The leaf and the leaf stems are the parts used and they are much superior to those of other beets to use as greens. Later in the season the broad flat, beautiful, wax-like leaf stems are cooked as a salad or pickled.

BRUSSELS SPROUTS.

One Ounce of Seed to 100 Yards of Row. A variety of the Cabbage family, possessing the peculiarity of bearing upon its stem or stalk from 50 to 100 buds resembling miniature Cabbage heads. The leaves composing these heads resemble Savoy Cabbage in their crumpled texture and also in their color. The heads or buds, from 1 to 2 inches in diameter, form one of the most delicious garden vegetables, only equaled by the Cauliflower. Treat same as Cabbage. Autumn-grown sprouts, drilled in May and transplanted in July, generally do best, as the plants are quite hardy and the buds mellow under frost.

CABBAGE.

For the earliest supply, seed may be sown in September and the plants wintered in cold-frames, or seed started in hot-beds or cold-frames early in the spring. For the fall crop the seed should be sown early in June, and the young plants transplanted to the rows during the latter part of July. One ounce of seed will sow 300 feet of drill; two ounces sown thinly should provide plants enough for one acre.

CELERY.

The seed may be sown in Hotbeds or boxes in February and March, or in April in the open ground as soon as the field can be worked. When the plants are 3 inches high, transplant 4 inches apart, into temporary beds of soft, rich soil, where they will soon acquire sufficient strength for planting out in beds. Plant in rows 3 feet apart, and set 6 inches apart in rows. If the weather is dry at the time of planting, care should be taken that the roots are firm in the ground. After the planting is completed, nothing further is necessary for 6 or 7 weeks, except running through between the rows with the cultivator or hoe and freeing the plants from weeds. About the middle of August earthing up is necessary for blanching and widening of that which is wanted for early use. After the soil has been drawn up against the plant with the hoe, it is further pressed close around each plant by the hand, firm enough to keep the leaves in an upright position and prevent them from spreading, using care to prevent the soil falling into the heart of the plant.

CELERIAC OR TURNIP-ROOTED CELERY.

Grown exclusively for its roots, which are turnip shaped, very smooth, tender and marrow-like. The roots are cooked and sliced and eaten with vinegar. They make an excellent salad. Are used for seasoning meats and flavoring soups.

CARROTS.

Carrots delight in sandy loam deeply tilled. For early crops sow in spring as soon as the ground is in working order; for late crops sow any time until the middle of June. Sow in rows and do not cover more than one-half inch deep. One ounce to 150 feet of drill; 3 pounds to the acre.

CAULIFLOWER.

The same as for Cabbage, except that it will pay to use extra manure and plenty of water for Cauliflower. If the soil is dry, water frequently and if the plants could have a heavy mulch of hay or straw, it would keep the soil moist and the plants would not suffer from a drouth. The early kinds should be strong enough to plant out not later than the middle of April; the late kinds may be planted out the same time as Cabbage. One ounce of seed produces 1,500 plants; 15,000 plants will cover one acre.

CHERVIL.

The Chervil resembles the Parsley and is highly esteemed for flavoring and garnishing. Seed may be sown early in the spring, but when the plants are quite large they should be transplanted about 10 inches apart.

CHICORY.

The seed may be sown in drills 1 foot apart as early in the spring as the ground can be worked. When the plants are 3 to 4 inches high they should be thinned out so that each plant stands 5 inches apart.

CHIVES.

The green tops which have a peculiar onion-like flavor are used for salads and also in soups. Plants are perfectly hardy.

CORN SALAD.

One ounce will sow 75 ft. of drill. This small green salad may be had all through the winter months providing same is given a slight covering of coarse litter of straw. Seed should be sown quite thickly in August and September in drills 10 inches apart.

CORN.

Sweet or Sugar. The sweet sugar varieties, being liable to rot in cold or wet ground, should not be planted before the ground has become warm, in hills three feet apart each way, covering about half an inch, and thin out to 3 plants to a hill. The extra early varieties can be planted 16 inches in the row and two and a half feet between the rows.

CUCUMBER.

For very early cucumbers, sow first of April in hot-bed, upon pieces of sod (grass side down), so that they can be readily transplanted to open ground, in rich soil, when danger of frost is over, or protect by hand glasses. For early use, plant, if weather has become settled and warm, in hills about 4 feet apart each way; thin out to 4 of the strongest plants to each hill after all danger from insects is over. For pickles, plant from June until the middle of July.

EGG PLANT.

1 oz. for 100 Plants. Sow in hot beds first week in April; protect at night; plant out about June 1st, about 2½ feet apart.

ENDIVE.

One of the most refreshing and attractive of all autumn and winter salads. Sow seed from the middle of June until the end of August.

GARLIC.

A bulbous rooted plant, with a strong penetrating odor, but much esteemed by some for flavoring soups, stews, etc. We frequently receive orders for garlic seed, but we can only supply bulbs.

HORSE RADISH.

Horse radish produces no seed, but is grown from pieces of the roots. Mark off rows two and one-half feet apart in rich moist, well prepared ground, and set the pieces of roots eighteen inches apart in the rows, vertically, the small end down, and the top one to three inches below the surface. Cultivate thoroughly until the tops cover the ground, when their shade will keep down the weeds.

LEEK.

Belongs to the onion family. Sow the seed and care for the young plants as for onions, but they need more room in order to develop fully. When the young plant is about the size of a goose quill, transplant to a prepared bed in rows one foot apart and four or five inches in the row. Set the roots deep and draw the earth to them when cultivating, so that they may be well blanched by the time they are fit to use.

MELON. MUSK.

One ounce will plant 75 hills. Cultivated in hills which should be five to six feet apart each way, and composed of light moderately rich soil. The hills should be dug about two feet deep, 18 inches square, and half filled with well-rotted manure, which must be thoroughly incorporated with the soil. Plant in May, ten seeds to the hill, and when the plants are well up, thin out to three. Cultivate until the vines cover the ground and pinch the ends of the growing shoots to induce early fruiting.

WATER MELONS.

One ounce will plant 50 hills. Water melons are cultivated in hills, which should be six to eight feet apart each way, and of light, moderately rich soil. The hills should be dug about two feet square, 18 inches deep, and half filled with well-rotted manure, which must be thoroughly incorporated with the soil. Plant in May, ten seeds to a hill, and when the plants are well up, thin out to three. Cultivate until the vines cover the ground, and pinch the ends of the growing shoots to induce early fruiting.

ONIONS.

Sow in rich, sandy soil, in drills one foot apart, as soon as the ground can be worked in spring—at the rate of 4 to 5 lbs. to the acre. Thin to 3 or 4 inches, using the rake and hoe frequently to keep down the weeds. The finest Onions are produced by the new method of sowing the seed in hot bed in February and March and transplanting the seedlings to the open ground.

PARSLEY.

One ounce will sow 100 feet of drill. As the seed is slow in germinating it should be sown as early in spring as possible in drills 1 foot apart and $\frac{1}{2}$ inch deep. When the plants are well advanced thin out to 6 inches apart in the row. By making a second sowing, under glass, in July or August a supply can be had throughout the winter.

PEAS.

A week may be gained in earliness by growing a quantity in moist sand placed in a box in the cellar, and planting outside when well sprouted. Light, dry soil, not overrich, suits the Pea. Sow as early as the ground can be worked, and again every ten days for succession. Peas may be sown in this vicinity as late as the first of August. Medium and late Peas must be planted early; Extra-Earlies may be planted again in August. Sow single or double rows, from 4 to 6 feet apart, according to the different heights, about an inch apart in the row (except such sorts as we note to sow thinly) and 4 inches deep. In this climate, the American Wonder, if planted from the 10th to the last of July, will produce a fair crop for fall pickling, when Peas will be more acceptable. Hoe often and keep the ground clean and fine. The tall sort can be made to bear more freely by pinching in. The dwarf varieties may be grown in beds like bush beans, with rows about the same distance apart.

RADISH.

Radishes must make a rapid growth to be crisp and tender. For early use seed should be sown in the hot-bed, in drills, three or four inches apart and half an inch deep. For an early crop in the open ground, select a sandy soil and a warm south border, under the shelter of a fence or building, if possible, and sow thinly in drills ten inches apart. For a succession sow every two weeks until September. The Winter Radish should be sown about the middle of summer, and makes its best growth in the autumn. Pitted out of doors or buried in earth in a cool cellar, it will keep crisp all winter.

RHUBARB.

Sow in May, in drills 12 inches apart, in rich soil. Transplant when sufficiently strong next season, in rows 2 feet apart, into deeply trenched heavy soil. Cover during winter with straw manure.

SALSIFY.

Vegetable Oyster. Same as the Carrot. Used for soups, stews, etc., and resembles the oyster in flavor.

SPINACH.

1 oz. for 100 feet of drill, 10 to 12 lbs. per acre. For summer use, sow early in the spring, as soon as possible, in rich, soil, in drills 1 foot apart; for spring use, sow late in the fall, and protect with a covering of straw.

SQUASH.

One ounce Early will plant 50 hills; 1 ounce Marrow, 25 hills. The plants are very tender and sensitive to cold, and planting must be delayed until settled warm weather. The general principles of culture are the same as those given for cucumbers and melons, but the plants are less particular as to soil. The summer varieties should be planted 4 feet apart each way, and the winter sorts 8 feet. Three plants are sufficient for a hill.

TOMATO.

One ounce will produce 1,500 plants. This delicious vegetable is one of the most important of all garden products. The seed should be sown in a hotbed about the first week in March, in drills five inches apart, and half an inch deep. When the plants are about two inches high they should be set out four or five inches apart in another hotbed, or moved into small pots, allowing a single plant to a pot. About the middle of May the plants may be set out in the open ground. Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower-pot, and placing it in a sunny window of the room or kitchen.

TABLE TURNIPS.

1 oz. for 150 feet of drill; 2 lbs. per acre. For early use sow as early in spring as ground can be worked, in drills 1 foot apart. Make successive sowings until August for general crops. Thin out to 6 or 8 inches. A light, rich soil is suitable.

FLOWERS.

GENERAL DIRECTIONS FOR SOWING SEEDS.

SOWING FLOWER SEEDS.

Nearly all flower seeds are very small, some of them being like fine sand, and they must therefore be sown very near the surface, with only a slight sprinkling of soil over them, and no seeds should be covered to a depth of more than two or three times their diameter. When the soil has been prepared as advised, level it with the rake, and pat it down with the spade to make it firm, and sow the seed over the surface in rows or patches as desired, but not too thick. Cover very lightly, and sprinkle a little fine, well-rotted manure over the soil, water carefully, and the operation is completed.

TRANSPLANTING.

Do not plant too close. Seedlings should be lifted from the seed-bed with a trowel, so as to secure a ball of earth round the roots, but when they are growing thick in clumps they must be separated, and the best rooted seedlings, with plenty of small fibrous roots should be selected. The ground having been dug over and manured, open a space with a trowel sufficiently large to accommodate the plants which have been lifted with a ball, and carefully place them into it, filling in the soil around them and making firm. The seedlings with bare roots can be planted by making a hole with a pointed stick large enough to allow the roots to drop down and hang perpendicularly; the soil should then be filled in and made firm. Zinnias and Stocks can be planted in such a way as to allow for thinning, as they always produce a percentage of single flowers which are useless, and as they flower when the plants are small, the single ones can be detected and pulled up, leaving the double flowered plants plenty of room.

THINNING OUT.

As flower seeds are generally sown far too thickly, it is often necessary to thin out the plants; this should be done as soon as they are fit to handle—when in the second or third leaf; transplant surplus if necessary, but do not allow the plants which remain to stand too close.

FEED YOUR PLANTS WELL.

Do not forget that all plants grown from seed can be greatly improved by liberal treatment. Old stable or cow manure can be used to advantage, but artificial fertilizers, such as blood or bone manure, superphosphates, and the "special" garden manure we offer, if used in smaller quantities, will give wonderful results; not only will they increase the vigour of the plants to which they are applied, but they will improve the size and brilliancy of the plants.

A Page of Our Home Grown Seeds.



Muskmelon, Early Hackensack.



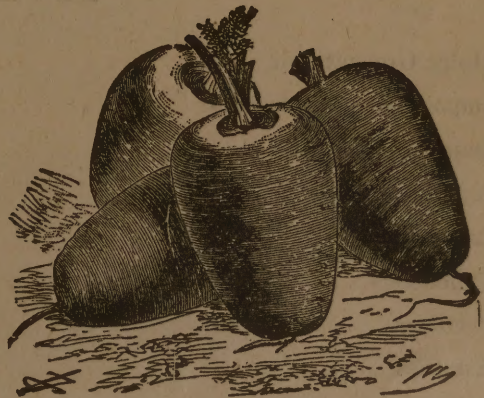
Lettuce, Big Boston,



Mangel, Yellow Leviathan



Beet, Egyptian.



Carrot, Oxheart.



We are Sole Agents for Canada for HURST SPRAYERS. Ask for Catalogue for Horse and Man Power Sprayers. **FREE TRIAL FOR TEN DAYS.**

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Pioneer Canadian Seed Growers,

Waterloo,

Ontario.

USEFUL TABLES

QUANTITY OF SEED REQUIRED FOR A GIVEN NUMBER OF HILLS

	Hills
Pole Beans.....	1 qt. to 50
Corn.....	1 qt. to 200
Cucumbers.....	1 oz. to 50
Watermelon.....	1 oz. to 30
Muskmelon.....	1 oz. to 60
Pumpkins.....	1 oz. to 20
Squash.....	1 oz. to 30

QUANTITY OF SEED REQUIRED FOR A GIVEN LENGTH OF DRILL

	Feet of drill.
Asparagus.....	1 oz. 50
Beet.....	1 oz. 60
Beans, dwarf.....	1 pt. 60
Carrot.....	1 oz. 150
Endive.....	1 oz. 100
Onions.....	1 oz. 50
Onion Sets.....	1 pt. 20
Parsley.....	1 oz. 125
Parsnip.....	1 oz. 150
Peas.....	1 pt. 50
Radishes.....	1 oz. 100
Salsify.....	1 oz. 60
Spinach.....	1 oz. 100
Turnip.....	1 oz. 150

NUMBER OF TREES OR PLANTS TO THE ACRE OF GIVEN DISTANCE

1 foot apart.....	43,500
1½ " ".....	19,360
2 " ".....	10,890
2½ " ".....	6,960
3 " ".....	4,840
4 " ".....	2,632
5 " ".....	1,740
6 " ".....	1,210
9 " ".....	537
12 " ".....	302
15 " ".....	193
18 " ".....	134
21 " ".....	98
24 " ".....	78
27 " ".....	59
38 " ".....	40

QUANTITY OF SEED REQUIRED FOR A GIVEN NUMBER OF PLANTS

Asparagus.....	1 oz. 300 plants
Cabbage.....	1 oz. 2000 "
Cauliflower.....	1 oz. 2000 "
Celery.....	1 oz. 2500 "
Leek.....	1 oz. 1500 "
Endive.....	1 oz. 3000 "
Egg Plant.....	1 oz. 1000 "
Lettuce.....	1 oz. 3000 "

TABLE TO ASSIST FARMERS AND GARDENERS IN MAKING AN ACCURATE ESTIMATE OF THE AMOUNT OF LAND IN DIFFERENT FIELDS UNDER CULTIVATION

10 rods x 16 rods.....	equal 1 acre
8 " x 20 ".....	" 1 "
5 " x 32 ".....	" 1 "
4 " x 40 ".....	" 1 "
5 yards x 968 yards.....	" 1 "
10 " x 484 ".....	" 1 "
40 " x 121 ".....	" 1 "
209 feet x 209 feet.....	" 1 "
200 " x 108.9 ".....	" 1 "
100 " x 145.2 ".....	" 1 "
100 " x 108.9 ".....	" 1 "

QUANTITY OF SEED REQUIRED FOR A GIVEN NUMBER OF PLANTS

Pepper.....	1 oz. 1000 plants
Tomato.....	1 oz. 1300 "
Thyme.....	1 oz. 4000 "
Sage.....	1 oz. 1000 "
Savoy.....	1 oz. 2000 "
Marjoram.....	1 oz. 1500 "
Rhubarb.....	1 oz. 500 "

WEIGHT PER BUSHEL AND AMOUNT OF SEED SOWN TO THE ACRE

	Lbs. per bush.	Lbs. per acre
Alfalfa.....	60	20 to 30
Red Clover.....	60	12 to 15
White Clover.....	60	6 to 8
Alsike.....	60	8 to 10
Timothy.....	48	12 to 15
Blue Grass.....	14	30 to 40
Mixed Grasses.....	14	30 to 40
English Rye Grass.....	20	15 to 25
Oats.....	32	50 to 70
Barley.....	48	60 to 90
Corn (In hills).....	50	10 to 20
Orchard Grass.....	14	20 to 30
Hungarian.....	48	1 bush.
Common Millet.....	48	1 bush.
German Millet.....	48	1 bush.
Hemp.....	44	35 to 55
Flax.....	56	50 to 75
Buckwheat.....	48	25 to 50
Rye.....	56	80 to 100
Wheat.....	60	80 to 100
Peas Field.....	60	120 to 210
Onion Sets.....	34	150 to 200

IN DRILLS

	No. lbs. to acre
Beans, dwarf.....	75 to 90
Early Peas.....	65 to 85
Marrowfat Peas.....	60 to 80
Beets.....	6 to 8
Mangel Wurzel.....	4 to 6
Carrots.....	2 to 3
Onions.....	4 to 5
Onions for sets.....	20 to 30
Onion Sets.....	300 to 350
Parsnips.....	5 to 6
Radishes.....	8 to 10
Rutabagas.....	1½ to 2
Spinach.....	8 to 10
Salsify.....	10 to 12

WEIGHT OF MANURE AND FERTILIZER TO DIFFERENT CROPS PER ACRE

Potatoes.....	stable, 15 to 30 tons
Mangel Wurzel.....	" 20 to 30 "
Carrots.....	" 12 to 20 "
Beans.....	" 25 to 40 "
Onions.....	" 25 to 40 "
Nitrate of Soda.....	250 lbs.
Potash.....	100 to 200 "
Concentrated Fertilizers for Garden and Field cultures.....	500 to 800 "

